

IN THE CLAIMS:

Claim 1 (Currently amended) A system for monitoring wear of one or more aircraft parts, comprising:

at least one sensor for sensing at least one parameter of usage of an aircraft part and for generating a signal indicating a sensed value of said parameter of usage of said aircraft part;

means for monitoring the usage and wear of said aircraft part on the basis of said sensed value of said parameter, said means for monitoring the usage and wear of said aircraft part being operatively connected to said at least one sensor;

means for monitoring the usage and wear of an aircraft system incorporating said aircraft part as a function of the usage and wear of said aircraft part, said means for monitoring the usage and wear of an aircraft system being operatively connected to said at least one sensor;

means for monitoring the usage and wear of an aircraft standby system, said means for monitoring the usage and wear of an aircraft standby system being operatively connected to said aircraft standby system, wherein the means for monitoring the usage and wear of an aircraft standby system comprises means for sensing input power to said standby system and generating an input power signal, means for measuring the period of time elapsed during each usage of said standby system and generating an elapsed time signal, and means for determining an estimate of usage of said aircraft standby system based upon said input power signal and said elapsed time signal; and

means for determining the remaining life of said aircraft system on the basis of said monitoring, said means for determining the remaining life of said aircraft system being operatively connected to said at least one sensor.

Claim 2 (Previously presented) The system for monitoring wear of an aircraft part of claim 1, further comprising means for monitoring the usage and wear of an aircraft tire, said means for monitoring the usage and wear of an aircraft tire being operatively connected to said means for monitoring the usage and wear of an aircraft system.

Claims 3-8 (Cancelled)

Claim 9 (Currently amended) A system for monitoring wear of one or more aircraft parts, comprising:

at least one sensor for sensing at least one parameter of usage of an aircraft part and for generating a signal indicating a sensed value of said parameter of usage of said aircraft part;

means for monitoring the usage and wear of said aircraft part on the basis of said sensed value of said parameter, said means for monitoring the usage and wear of said aircraft part being operatively connected to said at least one sensor;

means for monitoring the usage and wear of an aircraft system incorporating said aircraft part as a function of the usage and wear of said aircraft part, said means for monitoring the usage and wear of an aircraft system being operatively connected to said at least one sensor;

means for determining the remaining life of said aircraft system on the basis of said monitoring, said means for determining the remaining life of said aircraft system being operatively connected to said at least one sensor; and

means for determining the remaining life of an aircraft landing gear, said means for determining the remaining life of an aircraft landing gear being operatively connected to the aircraft landing gear. ~~The system for monitoring wear of an aircraft part of claim 8,~~ wherein the means for determining the remaining life of an aircraft landing gear comprises means for sensing load on said landing gear and generating a load signal, means of measuring the period of time elapsed during each usage of said landing gear generating an elapsed time signal, and means for determining an estimate of usage of said aircraft landing gear based upon said load signal and said elapsed time signal.